

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitutes for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 6

Complete if Known

Application Number	10/593,352
Filing Date	September 19, 2006
First Named Inventor	Francis X. Smith
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	3009094 US02

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US- 2,976,576	03-28-1961	O. Wichterle et al.	
	2	US- 3,429,576	02-25-1969	Yoshiaki Ikeda	
	3	US- 3,503,392	03-31-1970	R. E. Manley	
	4	US- 3,591,329	07-06-1971	Chromeczek et al.	
	5	US- 3,689,673	06-05-1972	Phares, Jr.	
	6	US- 3,755,561	06-28-1973	Rankin	
	7	US- 3,873,696	03-26-1975	Randeri et al.	
	8	US- 3,876,768	04-08-1975	Blank	
	9	US- 3,888,782	06-10-1975	Boghossian et al.	
	10	US- 3,910,296	10-07-1975	Karageozian et al.	
	11	US- 3,911,107	10-07-1975	Krezanoski	
	12	US- 3,912,450	10-14-1975	Boucher	
	13	US- 3,943,251	03-09-1976	Medow et al.	
	14	US- 4,022,634	05-10-1977	Gundersen	
	15	US- 4,029,817	06-14-1977	Blanco et al.	
	16	US- 4,046,706	09-06-1977	Krezanoski	
	17	US- 4,136,173	01-23-1979	Pramoda et al.	
	18	US- 4,136,175	01-23-1979	Ridout et al.	
	19	US- 4,136,534	01-30-1979	Villo	
	20	US- 4,209,817	06-24-1980	McGinnis	

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ²	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁴ - Number ⁴ - Kind Code ⁵ (if known)				
	21	GB 1 396,059	03-15-1973	Farmaceutisk		
	22	JP 58010617 A	01-21-1983	Santen Pharmaceutical		
	23	WO 91/01763	02-21-1991	Schering Corp.		
	24	WO 92/04905	04-02-1992	Abraham et al.		
	25	WO 92/11876	07-23-1992	Schering Corp.		
	26	WO 92/21049	11-26-1992	Allergan, Inc.		
	27	WO 94/00160	01-06-1994	Allergan, Inc.		
	28	WO 95/00176	01-05-1995	Allergan, Inc.		
	29	WO 96/06603	03-07-1996	Alcon Laboratories		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP P.609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinda Codes of USPTO Patent Documents at www.uspto.gov/mpep/901.04. ³ Patent Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 6

Complete if Known

Application Number	10/593,352
Filing Date	September 19, 2006
First Named Inventor	Francis X. Smith
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	3009094 US02

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	30	US- 4,354,952		10-19-1982	Reidhammer et al.	
	31	US- 4,361,458		11-30-1982	Grajek et al.	
	32	US- 4,361,548		11-30-1982	Smith et al.	
	33	US- 4,361,549		11-30-1982	Kung et al.	
	34	US- 4,394,381		07-19-1983	Sherrill	
	35	US- 4,439,417		03-27-1985	Matsunaga et al.	
	36	US- 4,525,346		06-25-1985	Stark	
	37	US- 4,599,360		07-08-1986	Fukami et al.	
	38	US- 4,748,189		05-31-1988	Su et al.	
	39	US- 4,783,488		11-08-1988	Ogunbiyi et al.	
	40	US- 4,820,352		04-11-1989	Reidhammer et al.	
	41	US- 4,826,879		05-02-1989	Yamamoto et al.	
	42	US- Re. 32,672		05-24-1986	Huth et al.	
	43	US- 4,836,986		06-06-1989	Ogunbiyi et al.	
	44	US- 4,863,900		09-05-1989	Pollock et al.	
	45	US- 4,891,423		01-02-1990	Stockel	
	46	US- 4,804,454		01-16-1990	Paradies	
	47	US- 4,988,710		01-29-1991	Olney	
	48	US- 4,997,626		03-05-1991	Dzlabo et al.	
	49	US- 5,030,721		07-09-1991	Kasai et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ - Kind Code ⁵ (if known)			
	50	WO	97/34834	09-25-1997	Bio-Lab, Inc.	
	51	WO	97/41215	11-06-1997	Novo Nordisk A/S	
	52	EP	0 812 582 A1	12-17-1997	Kikkoman Corp.	
	53	JP	10-108899	04-28-1998	Tomey Technol Corp.	T
	54	RU	2127100	03-10-1999	Borzenko et al.	T
	55	WO	99/23867	05-20-1999	Novo Nordisk A/S	
	56	WO	99/37295	07-29-1999	Devilloz et al.	
	57	JP	200016965 A	01-18-2000	Mitsubishi Gas	
	58	WO	00/97634	02-17-2000	NDT, Inc.	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO

(Use as many sheets as necessary)

Sheet	3	of	6
-------	---	----	---

Complete if Known

Application Number	10/593,352
Filing Date	September 19, 2006
First Named Inventor	Francis X. Smith
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	3009094 US02

Examiner Initials *	Cdo No	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	59	US- 5,078,908	01-07-1992	Ripley et al.	
	60	US- 5,089,261	02-18-1992	Nitecki et al.	
	61	US- 5,122,354	06-16-1992	Tsui et al.	
	62	US- 5,174,872	12-29-1992	Scott	
	63	US- 5,175,161	12-29-1992	Yokoyama et al.	
	64	US- 5,182,258	01-26-1993	Chiou	
	65	US- 5,192,535	03-09-1993	Davis et al.	
	66	US- 5,279,673	01-18-1994	Dzabo et al.	
	67	US- 5,300,296	04-05-1994	Holly et al.	
	68	US- 5,306,440	04-26-1994	Ripley et al.	
	69	US- 5,361,287	11-01-1994	Williamson	
	70	US- 5,380,303	01-10-1995	Holly et al.	
	71	US- 5,439,572	08-08-1995	Pankow	
	72	US- 5,449,658	09-12-1995	Unhoch et al.	
	73	US- 5,494,937	02-27-1996	Asgharian et al.	
	74	US- 5,547,990	08-20-1996	Holl et al.	
	75	US- 5,591,773	01-07-1997	Grunberger et al.	
	76	US- 5,607,681	03-04-1997	Galley et al.	
	77	US- 5,624,958	04-29-1997	Isaacs et al.	
	78	US- 5,650,862	06-26-1997	Park et al.	

[illegible]

Examiner
Signature

Date
Considered

*EXAMINER: Initial only if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Code of USPTO Patent Documents at www.uspto.gov/mpep/0014. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). *For foreign patent documents, the indication of the year of the grant of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11. This collection is expected to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FILES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	4	of	6
-------	---	----	---

Complete if Known

Application Number	10/593,352
Filing Date	September 19, 2006
First Named Inventor	Francis X. Smith
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	3009094 US02

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date	Name of Publisher or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)	MM-DD-YYYY		
51	US- 5,661,130	08-26-1997	Meezan et al.		
52	US- 5,674,450	10-07-1997	Lin et al.		
53	US- 5,691,379	11-25-1997	Ulrich et al.		
54	US- 5,718,895	02-17-1998	Asgharian et al.		
55	US- 5,719,110	02-17-1998	Cock		
56	US- 5,741,817	04-21-1998	Chowhan et al.		
57	US- 5,770,582	06-23-1998	von Borstel et al.		
58	US- 5,780,450	07-14-1998	Shade		
59	US- 5,807,685	09-15-1998	Martin et al.		
60	US- 5,811,446	09-22-1998	Thomas		
61	US- 5,854,303	12-29-1998	Powell et al.		
62	US- 5,869,468	02-09-1999	Freeman		
63	US- 5,888,950	03-30-1999	Potini et al.		
64	US- 5,891,733	04-06-1999	Inoue		
65	US- 5,925,317	07-20-1999	Rogalsky et al.		
66	US- 5,925,371	07-20-1999	Ishewatari		
67	US- 5,942,218	08-24-1999	Kirschner et al.		
68	US- 5,945,446	08-31-1999	Laub		
69	US- 5,925,320	09-14-1999	Davidson et al.		
100	US- 5,965,736	10-12-1999	Akhavan-Tafii		

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference corresponds, whether or not citation is in *conformance* with MPEP 609. Draw line through citation if not in *conformance* and not corrected. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Cards and Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the regnal of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant to place a check mark here if English language Translation is attached.

This collection of information is required by CFR 1.97 and 1.58. The information is required to obtain or retain a benefit by the public which is in the file (and by the USPTO to process an application). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual use. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	5
-------	---

of

6

Attorney Docket Number

10/593 352

10/593 352

September 19, 2006

Francis X. Smith

Unknown

Unknown

3009094 US02

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication or Date MM-DD-YYYY	Name of Referent or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	101	US- 6,008,195	12-28-1999	Selsted	
	102	US- 6,022,732	02-08-2000	Bakht et al.	
	103	US- 6,056,920	05-02-2000	Lepre	
	104	US- 6,117,869	05-12-2000	Picard et al.	
	105	US- 6,121,327	05-19-2000	Tsuzuki et al.	
	106	US- 6,126,706	10-03-2000	Matsumoto et al.	
	107	US- 6,138,646	10-31-2000	Asgharian et al.	
	108	US- 6,156,563	11-28-2000	Smith et al.	
	109	US- 6,153,568	11-28-2000	McCanna et al.	
	110	US- 6,162,393	12-19-2000	De Bruijs et al.	
	111	US- 6,309,596 B1	10-30-2001	Xia et al.	
	112	US- 6,309,658 B1	10-30-2001	Xia et al.	
	113	US- 6,432,893 B1	06-13-2002	Doi et al.	
	114	US- 6,617,291 B1	09-09-2003	Smith	
	115	US- 6,624,203 B1	09-23-2003	Smith	
	116	US- 2003-019025A1	10-09-2003	Smith	
	117	US- 2005-0042198 A1	02-24-2006	Smith et al.	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov/mpep 901.01. ³ Inter Office that issued the document, by the two-letter code (WIPO Standard S.F.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or any suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FILES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/593,352
Filing Date	September 19, 2006
First Named Inventor	Francis X. Smith
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	3009094 US02

Sheet

6

of

6

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	118	BALLWEBER et al., "In Vitro Microbicidal Activities of Cecropin Peptides D2A21 and D4E1 and Gel Formulations Containing 0.1 to 2% D2A21 against <i>Chlamydia trachomatis</i> ", Antimicrobial Agents and Chemotherapy, Jan. 2002, pp. 34-41, Vol. 46, No. 1	
	119	CREIGHTON, THOMAS E., "Proteins Structures and Molecular Properties", W.H. Freeman & Co., New York, 1984, pp 179-182	
	120	DE LUCCA et al., "Fungicidal Properties, sterol binding, and proteolytic resistance of the synthetic peptide D4E1", Canadian Journal of Microbiology, June 1995, pp 614-620, Vol. 44, No. 6	
	121	KEAY, L., MOSER, P.W. and WILDO, B.S., "Proteases of the Genus <i>Bacillus</i> . II. Alkaline Proteases", Biotechnology & Bioengineering, March 1970, pp 213-249, Vol. XII	
	122	KEAY, L. and MOSER, P.W., "Differentiation of Alkaline Proteases from <i>Bacillus</i> Species", Biochemical and Biophysical Research Comm., 1969, pp 600-604, Vol. 34, No. 5	
	123	SCHUTTE, L., et al., "The Substitution Reaction of Histidine and Some Other Imidazol Derivatives With Iodine", Tetrahedron, Supp. No. 7, 1965, pp 295-306	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 17 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.